

Advantech Automation Devices and Computing Star Product Guide

- ✓ Automation Software
- ✓ Intelligent HMI
- ✓ Industrial Communication
- ✓ Intelligent Systems
- ✓ Embedded Automation PCs
- ✓ DIN-Rail IPCs
- ✓ Intelligent RTUs
- ✓ Power & Energy Automation
- ✓ Machine Automation
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- ✓ IoT Wireless I/O Modules
- ✓ Remote I/O Modules
- ✓ Advantech WebAccess
- ✓ Rugged Tablets as Portable HMIs



ADVANTECH

Enabling an Intelligent Planet

WebAccess

www.advantech.com

Star Product Highlights





Automation Software

Minimize Programming Time while Optimizing Performance

Advantech's automation software lineup includes SCADA software, network management, remote device management, HMI runtime development software, SoftLogic programming tools, OPC Server, and other user-friendly programming tools and utilities. Advantech WebAccess web-based HMI/SCADA software is a shining example. It helps customers view, control and configure systems remotely through the Internet from any smart device. Advantech's software and hardware solutions empower automation professionals to develop integrated automation systems efficiently.



Automation Software



Advantech WebAccess

Web-based HMI/SCADA Software

- Cross-browser, cross-platform business intelligent dashboard for remote data analytic service
- Distributed SCADA architecture with central database server and multi-layer inter-operable SCADA nodes
- Google Maps and GPS location tracking integration
- Supports open interfaces - web services, widget interfaces and WebAccess APIs



WebAccess/NMS

Visualize Device Connectivity

- Easy device location with Google map support
- Ethernet, WLAN, Cellular integration network topology
- Remote configuration, monitoring and F/W upgrading
- Supports Advantech Ethernet-based platforms and modules
- 100% browser-based software system
- Supports a variety of mobile devices and browsers



SUSIAccess

Remote Device Management Software

- Device monitoring and automatic alerts by email/SMS
- Quick access to remote control for device diagnostics and repair
- Complete protection from cyber threats (powered by McAfee application control technology)
- Simple backup and recovery (powered by Acronis backup and recovery technology)



WebOP Designer/Panel Express

HMI Runtime Development Software

- Provides user friendly easy configuration
- Application software function objects
- Supports project protection, upload/download operations
- Collects data from many devices using various methods
- Supports over 400 industrial communication protocols



CODESYS

IEC-61131-3 SoftLogic Control Software

- Cross-compiling: 5 standard languages can be cross-compiled to each other
- Real-time performance
- Provides free IDE tool
- Powerful debugging tools and simulation support
- Fulfill integration with Advantech control platform



DAQNav

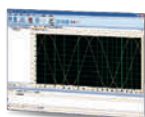
Software Development Package for Advantech DAQ Products

- Rapid Application Design (RAD) helps developers to build a program in the shortest time
- Thread-safety design to ensure high reliability under multi-thread environment
- Intuitive utility Navigator integrates configuration tools, testing panel, manual, tutorial, and example codes

Advantech Data Logger

Data Logging Application Software

- Online and offline monitoring of acquired signal
- Exports recorded data to .txt and .xls (Excel) for post analysis
- Flexible display with customized plot, title, cursor and axis



OPC Server

OPC Server for ADAM & Modbus Devices

- Supports Microsoft Windows XP/ 2000/ 7/ 8/ 8.1
- Supports Advantech ASCII, Modbus RTU, and Modbus/TCP protocol
- Compliant with the latest OPC Data Access 1.0, 2.04 and 3.0 standards
- Compliant with the latest OPC Alarm and Events 1.0 and 1.2 standards



Intelligent HMI

Leading the Evolution of Intelligent Operator and Panel PCs

As we stand on the edge of the new era of Industry 4.0, Advantech as a leading enabler of intelligent factories, will continue to innovate the next generation of HMI products and solutions for different industries.

We provide an integrated and comprehensive range of HMI products including Control Panel Computers and Thin-client Panel Computers (TPC and SPC), Industrial Monitors (FPM), Web Operator Panels (WebOP), Industrial Panel PCs (IPPC) and Panel PCs (PPC) for intelligent factories, automation markets, and domain focused markets such as food and beverage, oil and gas and railway transportation.



Control Panel Computers



NEW ikey IDor

TPC-1881WP

18.5" WXGA TFT LED LCD Intel® Core™ i7/ i3 with PCT Multi-Touch Panel Computer

- Intel® Core™ i7-4650U/ i3-4010U with 4GB DDR3L SDRAM
- 7H Hardness Glass Surface Widescreen with PCT Multi-touch, IP66 Front Protection and True-flat Touch Design
- Expandable System I/O, Isolated Digital I/O, Fieldbus and Communication by iDoor Technology
- Built-in ikey and Home-key for an intuitive UI
- Supports two USB 3.0 and HDMI for independent display



NEW ikey IDor

TPC-1581WP

15.6" HD TFT LED LCD Intel® Core™ i3 with PCT Multi-Touch Panel Computer

- Intel® Core™ i3-4010U 1.7GHz with 4GB DDR3L SDRAM
- 7H Hardness Glass Surface Widescreen with PCT Multi-touch, IP66 Front Protection and True-flat Touch Design
- Expandable System I/O, Isolated Digital I/O, Fieldbus and Communication by iDoor Technology
- Built-in ikey and Home-key for an intuitive UI
- Supports USB 3.0 and HDMI for independent display



NEW IDor

TPC-1582T/ 1282T

15"/ 12" XGA TFT LED LCD Intel® Core™ i3 Touch Panel Computer

- Intel® Core™ i3-4010U 1.7GHz with 4GB DDR3L SDRAM
- More Durable 5-wire Resistive Touch Screen with IP66 Front Protection
- PCIe and mini PCIe expansion support
- Expandable System I/O, Isolated Digital I/O, Fieldbus and Communication by iDoor Technology

Thin Client Panel Computers



TPC-1751T/ 1551T/ 1251T/ 651T
17"/ 15"/ 12.1"/ 5.7" XGA TFT LED LCD Intel® Atom™ Dual-core Thin Client Panel Computer

- Intel® Atom™ Dual-core E3827 1.75 GHz processor with 4GB DDR3L SDRAM
- -20°C ~ 60°C Wide Operating Temperature
- IP66 Front Protection and More Durable 5-wire Resistive Touch Screen with True-flat Touch Design
- Supports iDoor Technology (TPC-1251T-EHKE required)



TPC-1551WP

15.6" WXGA TFT LED LCD Intel® Atom™ Dual-core Thin Client Panel Computer

- Intel® Atom™ Dual-core E3827 1.75 GHz processor with 4GB DDR3L SDRAM
- 7H Hardness Glass Surface 16:9 Widescreen with PCT Multi-touch, IP66 Front Protection and True-flat Touch Design
- Supports iDoor Technology (TPC-1251T-EHKE required)



TPC-1051WP

10.1" WXGA TFT LED LCD Intel® Atom™ Dual-core Thin Client Panel Computer

- Intel® Atom™ Dual-core E3827 1.75 GHz processor with 4GB DDR3L SDRAM
- 7H Hardness Glass Surface Widescreen with PCT Multi-touch, IP66 Front Protection and True-flat Touch Design
- Supports iDoor Technology (TPC-1251T-EHKE required)

True-flat Monitors



FPM-7211W/ 7181W/ 7151W
21.5"/ 18.5"/ 15.6" Industrial Monitor with PCT, Direct VGA+DVI ports

- 16:9 FHD/ WXGA LED backlight LCD with True-flat Seamless Design
- 7H Hardness Glass Surface with PCT Multi-touch and IP66 Front Protection
- Supports 10 points multi-touch via USB interface in Windows 7/ 8
- Robust design with SECC chassis and Magnesium alloy front panel



ikey IDor

FPM-6211W

21.5" Semi-industrial Monitor with PCT for long-distance / iLink Technology

- 16:9 FHD LED backlight LCD with True-flat Seamless Design
- 7H Hardness Glass Surface with PCT Multi-touch and IP65 Front Protection
- Supports 5 points multi-touch via USB interface in Windows 7/ 8
- ikey for OSD control and remote/local source switch
- Robust design with SECC chassis and Magnesium alloy front panel



FPM-7151T/ 7121T

15"/ 12.1" XGA TFT LED LCD

- 15"/ 12.1" XGA 50K Lifetime LED Backlight LCD with Anti-glare Screen and Tempered Glass
- IP66 Certified Front Panel Protection with True-flat Seamless Design
- -20°C ~ 60°C Wide Operating Temperature
- Robust Design with SECC Chassis and Aluminum Front Panel
- DP/VGA video input
- Combination RS-232 & USB Interface for Touchscreen Function

Web Operator Panels



NEW



WebOP-3120T

12" XGA Cortex™-A8 Operator Panel with Wide Operating Temperature

- Microsoft® Windows CE 6.0
- Backup memory FRAM in 128KB (64 words) without battery
- Power & Terminal I/O ports isolation protection
- -20°C ~ 60°C Wide Operating Temperature
- Front panel flat-sealed with IP66 compliance



WebOP-3100T

10.1" WSVGA Cortex™-A8 Operator Panel with Wide Operating Temperatures

- Microsoft® Windows CE 6.0
- Backup memory FRAM in 128KB (64 words) without battery
- Power & Terminal I/O ports isolation protection
- -20°C ~ 60°C Wide Operating Temperature
- Front panel flat-sealed with IP66 compliance



WebOP-3070T

7" WVGA Cortex™-A8 Operator Panel with Wide Operating Temperatures

- Microsoft® Windows CE 6.0
- Backup memory FRAM in 128KB (64 words) without battery
- Power & Terminal I/O ports isolation protection
- -20°C ~ 60°C Wide Operating Temperature
- Front panel flat-sealed with IP66 compliance

Entry Level Operator Panels



WebOP-2100T

10.1" WSVGA Cortex™-A8 Operator Panel

- 65,536 colors TFT LCD, ARM9-based CPUs
- Front panel flat-sealed with IP66 compliance
- 10W low power consumption
- Supports over 400 PLC communication protocols
- Communicates with up to four types of devices
- Flexible runtime download and maintenance



WebOP-2070T

7" WVGA Cortex™-A8 Operator Panel

- 65,536 colors TFT LCD, ARM9-based CPUs
- Front panel flat-sealed with IP66 compliance
- 10W low power consumption
- Supports over 400 PLC communication protocols
- Communicates with up to four types of devices
- Flexible runtime download and maintenance



WebOP-2040T

4.3" WQVGA Cortex™-A8 Operator Panel

- 65,536 colors TFT LCD, ARM9-based CPUs
- Front panel flat-sealed with IP66 compliance
- 10W low power consumption
- Supports over 400 PLC communication protocols
- Communicates with up to four types of devices
- Flexible runtime download and maintenance

Stationary Panels



NEW



SPC-1581WP

All around IP65 15.6" WXGA Stationary Panel with Intel® i5 Processor

- Intel® Core™ i5-4300U 1.9GHz with 4GB DDR3L SDRAM
- All around IP65 protection with waterproof M12 connector
- Built-in ikey and home-key for an intuitive UI
- 7H Hardness Glass Surface with PCT Multi-touch
- 1 x RS-232/ 1 x USB/ 2 x LAN/ 24V_{DC}-in with Waterproof M12 connector



SPC-1840WP

All around IP65 18.5" Stationary Panel with AMD® Dual-core Processor

- All around IP65 18.5" Stationary Panels with AMD® Dual-core Processor
- 7H Hardness Glass Surface Widescreen with PCT Multi-touch, True-flat Touch Design
- Built-in ikey and Home-key for an Intuitive UI
- Robust design with All Around IP65 design, VESA support
- 1 x RS-232/ 1 x USB/ 2 x LAN/ 24V_{DC}-in with Waterproof M12 connector



SPC-2140WP

All around IP65 21.5" Stationary Panel with AMD® Dual-core Processor

- All around IP65 21.5" Stationary Panels with AMD® Dual-core Processor
- 7H Hardness Glass Surface Widescreen with PCT Multi-touch, True-flat Touch Design
- Built-in ikey and Home-key for an Intuitive UI
- Robust design with All Around IP65 design, VESA support
- 1 x RS-232/ 1 x USB/ 2 x LAN/ 24V_{DC}-in with Waterproof M12 connector

Domain-focused Computers



IPPC-8070WV

7" Multifunctional HMI for transportation applications

- Intel® Atom™ 1.6GHz processor
- IP65 front BZL protection with resistive touch screen
- GPS/ GSM/ Wifi/ Radio optional communication module expansions
- 2 x USB, 2 x LAN, 2 x COM Ports
- Supports iManager, SUSIAccess and Embedded Software APIs



IPPC-5211WS

All Around IP69K 21.5" TFT LED LCD with PCT Touch Panel and Corrosion-proof 316L Stainless Steel

- Intel® Celeron® Quad-core J1900 2 GHz
- All-round IP69K protection with corrosion-proof 316L stainless steel
- Sealed and rugged design with high reliable Components
- Options for Cfast/ HDD



FPM-8151H

15" XGA TFT LED LCD Industrial Monitor with Corrosion-proof 316L Stainless Steel Front Panel for Hazardous location

- Corrosion-proof 316L Stainless Steel Front Panel
- IP65 Certified Front Panel Protection
- -20 °C ~ 60 °C Wide Operating Temperature
- More Durable 5-wire Resistive Touch Screen with Anti-glare and Tempered Glass

Entry Level Monitors ▶



FPM-2170G

17" SXGA Industrial Monitor with Resistive Touchscreen and Direct-VGA Port

- 17" SXGA TFT LCD with 50K hours LED backlight life time
- Robust design with IP65 aluminum front panel
- Anti-glare screen
- Supports Panel, Wall, Desktop, Rack or VESA arm mounting
- Combination RS-232 & USB interface for touchscreen function



FPM-2150G

15" XGA Industrial Monitor with Resistive Touchscreen and Direct-VGA Port

- 15" XGA TFT LCD with 50K hours LED backlight life time
- Robust design with IP65 aluminum front panel
- Anti-glare screen
- Supports Panel, Wall, Desktop, Rack or VESA arm mounting
- Combination RS-232 & USB interface for touchscreen function



FPM-2120G

12" SVGA Industrial Monitor with Resistive Touchscreen and Direct-VGA Port

- 12" SVGA TFT LCD with 50K hours LED backlight life time
- Robust design with IP65 aluminum front panel
- Anti-glare screen
- Supports Panel, Wall, Desktop, Rack or VESA arm mounting
- Combination RS-232 & USB interface for touchscreen function

Ruggedized and Wide-temperature Monitors ▶



FPM-3191G

19" SXGA Industrial Monitor with Resistive Touchscreen, Direct-VGA and DVI Ports

- Robust design with stainless steel chassis and IP65 aluminum front panel protection
- OSD control pad on front panel
- Supports industrial 24V_{DC} and 12V_{DC} power input
- Supports panel, wall, desktop, rack or VESA arm mounting



FPM-3171G

17" SXGA Industrial Monitor with Resistive Touchscreen, Direct-VGA and DVI Ports

- Robust design with stainless steel chassis and IP65 aluminum front panel protection
- -20°C ~ 60°C Wide Operating Temperature
- OSD control pad on front panel
- Supports industrial 24V_{DC} and 12V_{DC} power input
- Supports panel, wall, desktop, rack or VESA arm mounting



FPM-3151G

15" XGA Industrial Monitor with Resistive Touchscreen, Direct-VGA and DVI Ports

- Robust design with stainless steel chassis and IP65 aluminum front panel protection
- -20°C ~ 60°C Wide Operating Temperature
- OSD control pad on front panel
- Supports industrial 24V_{DC} and 12V_{DC} power input
- Supports panel, wall, desktop, rack or VESA arm mounting

Fanless Panel PCs ▶



PPC-3120/ 3100

12.1" XGA/ 10.4" SVGA Intel® Atom™ Dual-core Fanless Panel PC

- Intel® Atom™ Dual-core D2550 1.86GHz Processor with Max 4GB DDR3 SDRAM
- Fanless Design and Low Power Consumption
- 5-wire Resistive Touch Screen
- Optional PCI x1/ PCIe x1 Expansion Kit
- Automatic data flow control over RS-485



PPC-3170/ 3150

17" SXGA/ 15" XGA Intel® Atom™ Quad-core Fanless Panel PC

- Intel® Atom™ Quad-core E3845 1.91GHz Processor with Max 8GB DDR3L SDRAM
- -20°C ~ 60°C Wide Operating Temperature
- 5-wire Resistive Touch Screen
- Built-in PCI x1/ PCIe x1 Expansion Slot
- Built-in Isolated RS-422/485 with Autoflow
- Optional CF and CFast module



PPC-4211W/ 4151W

21.5" FHD/15.6" WXGA Intel® Core™ i5/ Celeron® with PCT Multi-Touch Wide Screen Fanless Panel PC

- Intel® Core™ i5-4300U 2.9GHz/ Celeron® 2980U 1.6GHz Processor with Max 8GB DDR3L SDRAM
- Entirely flat panel with PCT touch screen
- Supports one PCIe x4/ PCI x1 Bus Expansion
- Built-in isolated RS-422/485 with Autoflow

Multi-functional Panel PCs ▶



Core™ i
+
Compact

PPC-6120

12.1" XGA Intel® Core™ i5/ i3/ Celeron® Panel PC

- Intel® 4th Generation Core™ i7/ i5/ i3/ Celeron® Processor with 2x 204-pin SODIMM DDR3/DDR3L SDRAM (Max 16G)
- Built-in Isolated RS-422/485 with Autoflow, Dual Intel® GbE
- Optional PCI x1/ PCIe x1 Expansion Kit
- 5-wire Resistive Touch Screen



Core™ i
+
Advanced

PPC-6170/ 6150

17" SXGA/15" XGA Intel® Core™ i5/ i3/ Celeron® Panel PC

- Intel® Core™ i5-3610ME/ i3-3210ME/ Celeron® 1020E with Max 8GB DDR3/ DDR3L SDRAM
- Dual HDD support Intel RAID 0/1, and Optional second HDD or ODD
- Multiple Bus Expansion Slots, one PCIe x4, one PCI + Optional one PCIe x1, two PCI, Optional two PCIe x1
- Built-in Isolated RS-422/485 with Autoflow, Dual Intel® GbE



Core™ i
+
Economic

PPC-8170/ 8150

17" SXGA/15" XGA Intel® Core™ i5/ i3/ Celeron® Panel PC

- Intel® Core™ i5-3550S/ i3-3220 with 2x 204-pin DDR3 SDRAM (Max 8GB)
- One PCIe x4 or PCI slot
- Supports 6 x USB, 6 x COMs, 8 bit GPIO
- Supports iManager, SUSIAccess and Embedded Software APIs

Industrial Communication

Simplify the Way You Connect

Advantech's Industrial Communication products draw on over 20 years of experience to provide reliable wired and wireless communication (3G, GPRS, and WLAN) for mission critical applications. These products include: Industrial Ethernet Switches, Industrial Wireless AP/Client, Media Converters, Serial Device Servers, Cellular IP Gateways, and Modbus Gateways. They are also capable of securely transmitting critical and sensitive information, remotely monitoring and controlling networked devices and emphasizing high communication capabilities for industrial applications.



Industrial Wireless AP/ CPE



NEW

EKI-1334

Industrial UMTS/HSPA+ Cellular Router

- Universal five-band UMTS/HSPA+ 850/900/1800/1900/2100 MHz
- Dual WAN (Ethernet WAN and Cellular WAN) for redundancy
- Routing and firewall security protocols
- Advanced VPN (IPSec/SSL/GRE/L2TP/PPTP)



NEW

EKI-1331

1-port Serial/Ethernet to HSPA+ IP Gateway

- Universal five-band UMTS/HSPA+ 850/900/1800/1900/2100 MHz
- Protocols converting between serial and Ethernet: Modbus RTU & TCP
- Provides NAT and VPN
- EMC Level III for industrial standards



EKI-1321/ 1322

1/ 2-port RS-232/ 422/ 485 to GPRS IP Gateways

- Universal quad-band GSM/GPRS 850/ 900/ 1800/ 1900 MHz
- Dual SIM slots for connection redundancy
- Extra SD slot for data buffering and auto recovery
- Provides NAT and VPN

Industrial Wireless Access Point

EKI-6340 Series

IEEE 802.11 a/ b/ g/ n Outdoor Single to Triple Radio Wi-Fi AP/ Client

- EMC Level 4
- C1D2 certified
- -40~75°C operating temperature range
- EN50155 compliant



EKI-6351-A

IEEE 802.11 a/ b/ g/ n Wi-Fi AP/ Client

- EMC Level 4
- C1D2 certified
- -40~75°C operating temperature range
- EN50155 compliant



Industrial Wireless Access Point



NEW

EKI-6310GN

IEEE 802.11 b/ g/ n Wireless Access Point/ Client

- With N-type connector for antenna connector
- High output power 27dBm
- Standard 802.3af PoE PD
- WEP/ WPA/ WPA2/ IEEE 802.1 x authentication support



EKI-6331AN

IEEE 802.11 a/ n Wireless Access Point/ Client

- MIMO 2 x 2 11n
- Embedded 16dBi dual-polarity directional antenna with external R-SMA connector for optional antenna
- High output power 24 dBm
- IGMP snooping protocol support

Wireless Serial Device Servers



EKI-1361/ 1362

1/ 2-port RS232/ 422/ 485 to 802.11b/ g/ n WLAN Serial Device Servers

- Links any serial device to an IEEE 802.11b/ g/ n network
- Provides 1/2 x RS-232/ 422/ 485 port
- Secures data access with WEP, WPA, and WPA2
- Supports WLAN Ad-Hoc and Infrastructure modes

Industrial Ethernet Managed Switches ▶



NEW

EKI-9778

1U Rackmount Switch with Combo Port
Flexibility 24GbE + 4 10GbE Managed Switch

- 24 x GbE ports and 4 x 10GbE (4x SFP+) ports
- 16 x gigabit combo ports (1000BASE-T/TX or GbE SFP)
- Dual redundant power 110 ~ 220 V_{AC} input
- Fanless design
- IEEE1588 PTPv2 with 1-step precision clock



NEW

EKI-9316/ 9312

16/12 Port Full Gigabit Managed DIN
Rail Switch

- All Gigabit connections support dual-ring protection and non-blocking traffic forwarding
- Redundancy: X-Ring+ (recovery time < 20ms)
- STP, RSTP, MSTP for better redundancy
- Dual power input, dual image for system reliability
- Operating temperature: -40 ~ 75 °C



EKI-7659C

8+2G Combo Port Gigabit Managed
Redundant Ethernet Switch

- 8 x Fast Ethernet ports, plus 2 x Gigabit combo ports
- SFP socket for Easy and Flexible Fiber Expansion
- Redundancy: X-Ring Pro (recovery time < 20ms)
- Dual 12 ~ 48 V_{DC} power input and 1 relay output
- IPv6 support

Proview Series Ethernet Switch



NEW

EKI-5728/ 5725/ 5528/ 5525

8-port/ 5-port Fast and Gigabit ProView
Series Ethernet Switch

- Communicates with SCADA software via Modbus/TCP
- Communicates with NMS via SNMP
- Port-based QoS for deterministic data transmission
- eMark certified (EKI-5728)
- Loop detection

Industrial Ethernet Unmanaged Switches



EKI-3728/ 3725/ 3528/ 3525

8-port/ 5-port Fast and Gigabit Unmanaged
Ethernet Switch

- Supports IEEE 802.3az, Energy Efficient Ethernet
- Super compact IP40 protection
- Supports IEEE 802.1p QoS- VIP port
- Supports redundant 12 ~ 48 V_{DC} dual power input and P-Fail relay
- Loop detection

Media Converters ▶



EKI-3541M/ 3541S/ST

10/100T (X) to Multi/ Single-Mode SC/ST
Type Fiber Optic Media Converter

- Supports Link Fault Pass-through (LFP) function
- Supports full/half duplex flow control
- Supports MDI/MDI-X auto crossover
- Supports redundant 12-48 V_{DC} dual power input
- ST Connector Provided

Industrial PoE Switches ▶



NEW

EKI-9316P/ 9312P

16/12 Port Managed DIN Rail Switch with
PoE/PoE+

- All Gigabit connections support dual ring protection
- Redundancy: X-Ring+ (recovery time < 20ms)
- IEEE 802.3at PoE+ to supply 30W power
- IEEE 802.3af/802.3at per port with system PoE power management
- Dual power input, dual image for system reliability
- Operating temperature: -40 ~ 75 °C



EKI-7659CPI

8+2G Port Gigabit Managed PoE Switch
w/ Wide Temperature

- 8 x Fast Ethernet ports with PoE injector function, plus 2 x Gigabit Copper/ SFP combo ports
- IEEE802.3af compliant, provides 15.4Watts per port.
- Redundancy: X-Ring Pro (recovery time < 20ms)
- IPv6 support

EN50155 Compliant Switches

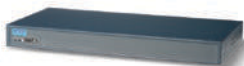


EKI-6500/ EKI-9500 Series

EN50155 M12 Managed/ Unmanaged
Ethernet Switch

- EN50155 compliant
- Redundancy: X-Ring Pro (recovery time < 20ms) (Managed models)
- M12 connectors
- Waterproof fiber optic connectors
- Dual 12 ~ 48 V_{DC} power input and 1 relay output

Serial Device Server ▶



EKI-1526/T/ 1528/T

16/8-port RS-232/422/485 Serial
Device Server

- 2 x 10/100 Mbps Ethernet ports for LAN redundancy
- Supports up to 921.6 kbps, and any baud rate setting
- Provides COM port redirection (Virtual COM), TCP and UDP operation modes
- Built-in 15 KV ESD protection for all serial signals
- Standard 1U rackmount size



EKI-1524/CI/ 1522/CI/ 1521/CI/

4/2/1-port RS-232/ 422/ 485

Serial Device Server

- 2 x 10/ 100 Mbps Ethernet ports for LAN redundancy
- -40~70 °C operating temperature range
- 2KV Isolation for RS-422/485 signals
- EMC Level 4
- IPv6/IPv4 Dual Stack
- Port Buffering Support

Modbus Gateways ▶



EKI-1224CI/ 1222CI/ 1221CI/

4/2/1-port Modbus Gateway

- 2 x 10/ 100 Mbps Ethernet ports for LAN redundancy
- Supports up to 921.6 kbps, and any baud rate setting
- Automatic RS-485 data flow control
- -40 ~ 75 °C operating temperature range
- 2KV Isolation for RS-422/485 signals
- EMC Level 4

Intelligent Systems

Accelerating Cloud Computing, iConnectivity and Intelligent Video Solutions

With innovative technologies for cloud computing applications and services (industrial and video servers), edge computing applications (fanless, slim & portable devices), to high performance embedded systems (blade computing, network processor platforms, and DSP processing), Advantech is devoted to transforming our embedded systems into intelligent systems with smart, secured, energy-saving features. Designed by our Industrial Cloud Built-in Services and professional System Design-To-Order Services (System DTOS) teams, Advantech's intelligent systems are designed to target multiple vertical markets in transportation, industrial automation (machine automation, equipment/machine builders), digital signage, and also video applications (video infrastructure and video surveillance).



Industrial Computers



ACP-4D00

4U Dial-node 350mm Chassis for Machine Automation Application

- Easy maintenance dual-node design
- Supports half-sized slot SBC and 6-slot backplane
- Maximum 3 available slots for 260mm length add-on cards
- Standard 4U height, ultra short depth of 350mm
- Self-diagnostics functions of system fan and temperature alarm



ACP-4020

Compact 4U Rackmount Chassis for Half-size SBC or ATX/ MicroATX Motherboard

- Compact 4U rackmount chassis, with shallow 350mm depth
- Supports ATX/ MicroATX motherboards or backplanes up to 15 slots for half-size SBC
- 1 x Internal 2.5" and two external 3.5" drive bays support up to five 2.5" HDD/ SSDs (via optional kit IDT-3120E)
- Supports 80 plus single power supply up to 700W
- Smart fan speed control for system fans



HPC-7442

4U Rackmount Chassis for EATX/ ATX Motherboard with Up to 8 SAS/ SATA HDD Trays

- Shock-resistant disk drive bay holds four hot-swap 3.5" and 2.5" SAS/ SATA disk trays, one slim optical disk drive, and one 3.5" internal drive
- With installation of optional storage upgrade kit, eight hot-swap HDD trays provide high storage capacity
- Supports 80 Plus certified single and redundant power supplies
- Front-accessible system fan
- LED indicators and audible alarm notification for system fault detection

Server-grade IPCs



ASMB-823

Intel® Xeon® E5 ATX Server Board

- LGA2011 ATX Server Board with dual Xeon® E5-2600(v3) processors
- DDR4 2133 MHz RDIMM up to 192 GB
- 4 x PCIe x16 slots (Gen3), two PCIe x8 (Gen3) and one PCIe x4 (Gen2) slots
- 9 x SATA3 ports and six USB 3.0 port



ASMB-923

Intel® Xeon® E3 EATX Server Board

- LGA 2011 EATX Server Board with dual Xeon® E5-2600(v3) processor
- DDR4 2133 MHz RDIMM up to 256 GB
- Four PCIe x16 slots (Gen3), two PCIe x8 slots (Gen3.0) and one PCIe x4 (Gen2.0)
- 10 SATA3 ports and 4 x USB 3.0 ports

GPU Server



AGS-920

2U GPU Server with Dual Intel® Xeon® E5 Processors

- Supports NVIDIA Tesla, Grid, Quadro, AMD FirePro, and Advantech designed DSP cards
- 8 x DDR3 Non-ECC/ECC/REG 1600 DIMM up to 128GB
- Supports 4 x FH/FL double-depth PCIe x16 expansion cards + 1 FH/HL single-depth PCIe x8 expansion card
- 8 x Hot-swap SATA/SAS HDD bays
- Quad GbE LAN (iPM 2.0) port

Machine Vision Systems



AIIS-1240 / 1440

PoE / USB 3.0 Machine Vision System, Intel® Core™ i CPU, Dedicated to 4-CH PoE / USB 3.0 Camera

- Intel® 3rd/ 2nd Core™ i7/ i5/ i3 CPU (LGA1155)
- AIIS-1240: 4-CH GbE PoE (Power over Ethernet), IEEE 802.3af compliant
- AIIS-1440: 4-CH USB 3.0 with dedicated controller
- Volume less than 3 Liters
- Easier fan filter maintenance
- Internal USB Type-A with lock design

Fanless Compact Systems



NEW

ARK-5261

Intel® Celeron™ Processor J1900 Fanless Compact Equipment System with PCIe & PCI Expansion Slots

- Intel® Celeron™ processor J1900
- Supports one PCIe x1 & 2x PCI slots
- Supports four RS-232/422/485 (COM 1/2 with 5V/ 12V power); ARK-5261i sku has isolation feature
- Supports 2 Giga LAN/ 1 USB 3.0+ 5 USB 2.0/ Dual 2.5" HDD/ GPIO & printer port
- Supports wide power range of 9~ 30V DC input



NEW

ARK-5420

3rd Gen Intel® Core™ i Processor Fanless Compact Equipment System with PCIe & PCI Expansion Slots

- Supports 3rd Gen Intel® Core™ i5/ Celeron BGA type CPU with Intel® HM76 PCH
- Supports 1x PCIe x4 & PCI slots and 1x Mini-PCIe (Full size)
- Supports VGA & HDMI/USB 3.0/ serial ports
- Supports wide temperature -25~ 60°C
- Supports 9~ 36V wide range DC input

Transportation Systems



ITA-1711

Intel® Celeron™ Processor J1900 Fanless AFC System with Dual GbE and Display

- Supports 9 ~ 36 V wide range DC input
- Supports up to two GbE, six USB 2.0X ten COM ports
- Supports RS-232/ 422/ 485 with serial ports automatic flow control
- Onboard DDR3 memory up to 4GB and optional NVRAM
- Supports one 2.5" HDD



ITA-2210

EN50121-4 Full Compliance 2U Fanless Systems for Wayside Control with Intel® Atom™ D525 Processor

- Supports Intel® Atom™ D525 Processor at 1.8GHz
- Supports three ITAM modules, one PC 104+ and one Mini-PCIe cards
- Supports two VGA/ eight USB 2.0/ two COM ports
- Supports wide temperature -25~ 60°C
- Supports single/ dual power module



ITA-5730

EN 50155 Certified Compact Fanless System with 3rd Gen Intel® Core™ i Processor

- Satisfies temp. standard: EN 50155 TX (-40 ~ 70°C) and IEC 61373 body mount class B
- Compliant with EN 50121-3-2 EMC test standard
- Ruggedized connectors (M12) used for communication and power ports
- Optional PCI/ miniPCIe slots for expansion
- Supports easy-swap HDD/ SSD/ CF modules

Multimedia Processing Cards



DSP-8682

Full-length PCI Express Card with 8 TI 8-core DSPs

- On-board 8 x TI TMS320C6678 DSPs with PCIe Gen three 8 interfaces
- 8 x TMS320C66x DSP Core Subsystems @ 1.0/ 1.25 GHz per DSP
- 2 GB DDR-1333 memory per DSP



DSP-8662H

4-ch HDMI PCIe Video Decoder Card with 4-ch 3G-SDI inputs and SDK

- Powered by quad TI TMS320DM8168 SoC
- 4-channel HDMI video/ audio outputs up to 1920 x 1080 at 60 fps
- Supports H.264/ MJPEG/ RAW HW decoding
- 4-channel SDI video + audio inputs up to Full HD 60 fps per channel

High Performance Server



CGS-6000

2U Server for Carrier Grade and Optimized I/O Deployment

- Supports dual Intel® Xeon® E5v2 series processors
- Up to 512GB DDR3 with 16 Registered ECC DIMMs
- 4 x full-height, full-length PCIe x8 slots
- 2 x full-height, half-length PCIe x4 slots
- 4 x 2.5" hot-swappable SAS/ SATA HDD/ SSD drives

CompactPCI® Platforms



MIC-3328

3U CompactPCI PlusIO Intel® 3rd Generation Core™ Processor Blade

- Supports 3rd generation Intel® Core™ processor and QM77 PCH
- 4 GB DDR3 1600 soldered SDRAM with ECC (max 8GB)
- 1 x 2.5" SATA-II SSD, CFast, XMC, SATA NAND Flash on board (optional)
- Triple independent display support



MIC-3396

6U CompactPCI 4th Generation Intel® Core™ i3/ i5/ i7 Processor Blade

- Supports 4th Generation Intel® Core™ i3/ i5/ i7 processors and QM87 PCH with embedded graphic display
- 2 x SATA ports, 1 x USB 3.0, 4 x USB 2.0, 2 x DVI ports, 2 x RS-232 ports, 1 x PS/2 connector and PCIe x 8 interface to RTM
- Optimized single-slot SBC with 2.5" SATA-III HDD/ CFast socket/ on-board flash (optional)



CPCI-8220

6U CompactPCI Freescale QorIQ P2040 Ruggedized Processor Blade

- Supports Freescale QorIQ™ P2040 at 1.2 GHz
- Up to 4GB DDR3 with ECC support
- Supports extended operating temperature range -40°C ~ 85°C (optional)
- Supports WR VxWorks 6.9 or WR Linux 4.3

Embedded Automation PCs

Open and Robust Computing Power for Automation Applications

Advantech's offers a complete range of Embedded Automation PCs with each series coming in three sizes: palm, small and regular. All of them are dedicated to providing fanless, industrial-proven and application ready control platforms. With a robust design, they include multiple expansion solutions and versatile mounting methods to fulfill the needs of different applications. The UNO-1000/3000 series is ideal for din-rail, enclosure and book mounting in control cabinets and the UNO-2000 series is a versatile model for stand-mount environments. In addition, all new UNO products support Advantech iDoor Technology which utilizes the mPCIe format and gives customers the flexibility to configure the various I/O requirements based on different applications. Modules for iDoor Technology include: Fieldbus protocol; digital and analog I/O; smart sensor, communication and memory.



Control Cabinet PCs



NEW

UNO-1252G

Intel® Quark Palm-Size DIN-Rail Controller

- Intel® Quark 400Mhz processor with 256MB memory
- 2 x LAN, 2 x mPCIe, 2 x COM, 8 x GPIO, 2 x USB, 1 x microSD, 1 x SIM, 1 x power terminal
- Compact with fanless design
- Chassis grounding protection



NEW

UNO-1372G

Intel® Atom Quad-Core Small-Size DIN-Rail Controller

- Intel® Atom E3845 1.91GHz processor with 4GB DDR3L memory
- 3 x GbE, 3 x USB, 2 x COM, 1 x VGA, 1 x HDMI, audio, 1 x mSATA, 2 x mPCIe, 1 x SATA, 8 x DI/O, 1 x power terminal
- Exchangeable RTC battery with easily access at top side



NEW

UNO-1483G

Intel® 4th Gen Core™ i3 Regular-Size DIN-Rail Controller

- Intel® 4th Gen Core™ i3 processor up to 1.7GHz with 8GB DDR3L memory
- 4 x GbE, 3 x mPCIe, 1 x PCIe, 4 x USB 2.0/3.0, 1 x RS-232, 2 x RS-422/485, 1 x VGA, 1 x DP, 8 x DI/O and audio ports
- Dual power input and remote power button for reducing power down time



NEW



UNO-3382G/3384G

Intel® Core™ i7 Book Mount Automation Computer

- Intel® 4th Generation Core™ i7/Celeron processors with 4GB/8GB DDR3L memory
- 2 x GbE, 2 x USB 2.0, 2 x USB 3.0, 1 x RS-232/422/485, 2 x display ports, 2 x PCI/PCIe, 2 x mPCIe, 1 x mSATA slot
- Dual hot-swappable HDD/SSD slots with thumb screws for easy maintenance
- Supports DIN-rail, stand, wall and book mounting



NEW



UNO-3483G

Intel® Core™ i7 Enclosure Mount Automation Computer

- Intel® 3rd Gen Quad Core processor, up to 2.1 GHz with 8GB DDR3L memory
- 2 x GbE, 2 x USB 2.0, 2 x USB 3.0, 1 x RS-232, 1 x RS-422/485, 1 x VGA, 1 x HDMI, 1 x PCIe x4, 3 x mPCIe, 1 x mSATA slot
- Dual hot-swappable HDD/SSD slots with thumb screws for easy maintenance

Embedded Vision Controller



NEW



UNO-2483P

Intel® Core™ i7/Celeron Regular-Size Automation Computer

- Intel® 4th generation Core™ i7/Celeron processors up to 1.9GHz with 4GB/8GB DDR3L memory
- 4 x PoE, 4 x GbE, 4 x USB 2.0/3.0, 2 x RS-232, 2 x RS-422/485, 1 x VGA, 1 x HDMI, audio
- Rubber stopper design with captive screw

Embedded Automation Computers



NEW

UNO-2272G

Intel® Atom™ Palm-Size Automation Computer

- Latest Intel® Atom™ processors up to 1.86 GHz with 2GB DDR3 memory
- 1 x GbE, 3 x USB 2.0, 1 x RS-232, 1 x VGA, 2 x mPCIe, audio
- Compact fanless design



NEW



UNO-2362G

AMD® Dual Core T40E Small-Size Automation Computer

- AMD® Dual Core T40E 1.0GHz processor with 2GB DDR3 SO-DIMM memory
- 1 x GbE, 4 x USB 2.0, 1 x RS-232, 1 x RS-485, 1 x mPCIe, 1 x DP, 1 x HDMI
- Daisy-chain for Ethernet with auto-bypass protection enabled



NEW

UNO-2483G/2473G

Intel® 4th Gen Core™ i7/ i3/ Celeron/ Atom™ Regular-Size Automation Computer

- Intel® 4th Gen Core™ i7/i3/Celeron/ Atom™ processors up to 1.9GHz with 4GB/8GB DDR3L memory
- 4 x GbE, 4 x USB 2.0/3.0, 2 x RS-232, 2 x RS-422/485, 3 x mPCIe, 1 x VGA, 1 x HDMI, audio
- Chassis grounding protection



PCM-2300MR
MR4A16B, MRAM, 2MByte

- 2MB MRAM Storage
- Speed 6 MB/Sec



PCM-23C1CF
CFast, Ejection Type I, CFast x 1

- 1 port CFast I/O card
- CFast 3.0, Type I/II



PCM-23U1DG
Internal Locked USB Slot for USB Dongle, USB x 1

- 1 port USB I/O card
- USB A type w/ lock



PCM-24R1TP
Intel 82574L, GbE, IEEE 1588 PTP, RJ45 x 1

- 1 port GbE LAN
- IEEE 1588 precision time protocol ready



PCM-24R2GL
Intel i350 mPCIe, GbE, IEEE 802.3ab, RJ45 x 2

- 2 port GbE LAN
- Intel i350



PCM-24R2PE
Intel i350, GbE, PoE IEEE 802.3af, PD, RJ45 x 2

- 2 port PoE (Power Over Ethernet)
- Single port 15.4W of DC power



PCM-24U2U3
USB 3.0 mPCIe card, USB-A type x 2

- 2 port USB 3.0
- USB A type



PCM-24S2WF
Atheros AR9462, 802.11 a/b/g/n 2T2R w/ BT4.0, SMA x 2

- Atheros AR9462
- 802.11 a/b/g/n 2T2R w/ Bluetooth 4.0



PCM-24S23G
6-band HSPA Cellular Module, GPS, SIM Holder, SMA x 2

- 3.75G HSPA+GPS
- Dual-SIM card holder with switch for redundancy



PCM-24D2R2/ PCM-24D2R4
OXPCle952 UART, Isolated RS-232, RS-422/485, DB9 x 2

- 2000 V_{oc} isolation protection
- RTS/CTS/Xon/Xo flow control



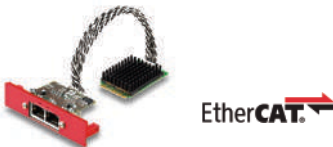
PCM-24D4R2/ PCM-24D4R4
OXPCle954 UART, Non-isolated RS-232, RS-422/485, DB37 x 1

- Non isolation 4 COM ports
- 50 bps ~ 921.6 kbps serial speed (RS-422/485)



PCM-27D24DI
Digital I/O, Isolated 16DI/8DO, DB37 x 1

- 16DI, 8DO
- 2500 V_{oc} isolation protection



PCM-26R2EC
Hilscher netX100 FieldBus mPCIe, EtherCAT, RJ45 x 2

- Real-time fieldbus EtherCAT protocol
- Supports Master/Slave



PCM-26R2EI
Hilscher netX100 FieldBus mPCIe, EtherNet/IP, RJ45 x 2

- Real-time fieldbus EtherNet/IP protocol
- Supports Master/Slave



PCM-26R2PN
Hilscher netX100 FieldBus mPCIe, PROFINET, RJ45 x 2

- Real-time fieldbus PROFINET protocol
- Supports Master/Slave



PCM-26D2CA
SJA1000 CANBus, CANOpen, DB9 x 2

- CAN 2.0 A/B
- 1Mbps, 16MHz



PCM-26D1DB
Hilscher netX100 FieldBus mPCIe, PROFIBUS, DB9 x 1

- Fieldbus PROFIBUS protocol
- Supports Master/Slave



PCM-26R2PL
Hilscher netX100 FieldBus mPCIe, POWERLINK, RJ45 x 2

- Real-time fieldbus POWERLINK protocol
- Supports Slave

DIN-Rail IPCs

The Next Generation of Scalable Automation Controllers

Advantech's APAX products are PC-based controllers which leverage embedded computing technology to achieve the same level of ruggedness as PLCs. With an open architecture and scalable I/O Modules, the APAX series is more flexible in order to implement various modern control strategies. It also inherits an excellent communication capability to collaborate with other industrial devices. Not only does it have super reliability, but the APAX bus provides backup and redundancy functionality to enhance the total availability.



APAX-5580 Controller and Modules ▶



NEW

APAX-5580

APAX High Performance Controller

- Intel® 4th gen. Core i7/i3/Celeron CPU inside
- 2 x mPCIe interfaces for wireless communication
- One key operating system recovery
- Dual power input and UPS support



NEW

iDoor

APAX-5435

APAX iDoor interface Module

- Supports Fieldbus iDoor module
- Supports mPCIe interface



NEW

UPS Module

APAX UPS Module

- Provides emergency power when the main power fails
- Supports fast boot from standby mode

APAX-5580 PCIe Modules ▶



NEW

APAX-5490

RS-232/422/485 Module

- Support RS-232/422/485
- Auto flow control in 485 mode



NEW

APAX-5430

APAX SATA HDD Module

- SATA I/II/III 2.5" HDD/SDD
- Support RAID 0/1
- Support Hot swap



APAX-5070/5071/5072

Fieldbus Communication Coupler

- Revised to support 1ms Modbus response time
- Flexible Modbus mapping table
- Supports UDP Data Streaming function and Event Alarms

I/O Modules ▶



NEW

APAX-5090

Communication Module with APAX Local Bus

- 4 x RS-232/422/485 ports
- Acts as a Modbus gateway with APAX-5070
- Supports distributed topology with APAX bus



APAX-5017H

12-ch High Speed Analog Input Module

- Voltage and current inputs including ± 10 V and 4 ~ 20 mA
- Each channel can be configured with different input types and ranges
- 1000 samples/second per channel



APAX-5080

4/8-ch High Speed Counter Module

- 5 counter: Up, Up/Down, Pulse/Direction, A/B phase, Frequency
- 4 x DI channels for counter gate inputs
- 4 x DO channels for alarm outputs

Intelligent RTUs

Smart IoT Devices with Dual Wireless Network Capability and Flexible I/O Options

The ADAM-3600 is an intelligent iRTU, mainly used in the oil, gas and water industries. Intelligent network nodes in the IoT, can control the downstream field devices to complete delivery tasks, transfer data to upstream devices wired or wirelessly. It is key to connecting devices to the Internet of Things architecture. The ADAM-3600 has a high performance and low power processor, adopts 20 local I/O points and wired and wireless communication modes, users can collect, process and distribute the local information. It has a built-in real-time operating system and a real-time database, providing customers with an open interface and supports diverse programming languages.



Open Standard Intelligent RTU ▶



NEW

ADAM-3600-C2G

8 AI / 8 DI / 4 DO / 4-Slot Expansion and Dual Wireless

- TI Cortex A8 600MHz CPU with DDR3L 256MB RAM
- RT-Linux OS with TagLINK realtime database
- Onboard IO- 8AI / 8DI / 4DO with 4-Slot I/O expansion flexibility
- Internal 2 x Mini-PCIe Interface for Dual Wireless Networking
- Certified Wireless Solution Zigbee/ Wi-Fi/ 3G/ 4G/ GPRS
- IEC61131-3 & C programming language SDK support
- Modbus/TCP, Modbus/RTU & DNP3 protocol support
- Wide operation temperature -40~70°C
- Support iCDManager for remote connectivity diagnosis
- IRTU Studio for off-line configuration and remote deployment



Intelligent Ethernet I/O Module ▶



NEW

ADAM-3600-A1F

16 DI / 8 Relay with 4-Slot Expansion

- 16-ch Digital Input, 8-ch Relay Output on board I/O
- Flexible I/O deployment by 4-slot expansion module
- Datalog by internal memory, SD card, USB
- Support the Access Control function
- Auto firmware update by USB and SD card
- Remote monitor, control and configure through a Web browser
- Supports built-in web server and RESTful Web service



I/O Expansion Modules ▶



NEW

ADAM-3600 Series I/O Expansion Modules

- ADAM-3651 8-ch Digital Input Module
- ADAM-3656 8-ch Digital Output (Sink type) Module
- ADAM-3624 2-ch Analog Output Module
- ADAM-3660 4-ch Relay Output Module
- ADAM-3618 3-ch Thermocouple Module
- ADAM-3617 4-ch Analog and Input Module

Power & Energy Automation

Ensure Reliable P&E Automation with IEC 61850-3 and IEEE 1613 Compliant Products

Advantech provides Power and Energy computers, controllers, and data acquisition module with rugged, cableless designs for harsh environments in Smart Substation and Green Energy applications. The UNO-4600 series and ECU-4000 series are compliant with the hardware requirements of IEC-61850-3, which defines the international standards of network and system communications in smart substation. Advantech also provides power and energy controllers (ECU-1000) for transformer and GIS switches, IED (Intelligent Electronic Devices) applications.



Power & Energy Automation Computers



NEW

ECU-4674

Intel® Atom™ N2600 Substation Computers for Power Automation Applications

- Intel® Atom™ N2600 1.6GHz CPU
- Supports 2 x RS-232 isolated ports, 16 x RS-232/485 isolated ports
- Supports 2 x 10/100/1000 Base-T, and 6 x 10/100 Base-T
- iCDManager : intelligent Connectivity Diagnose Manager



NEW

ECU-4784

Intel® Haswell Core i7 Power & Energy Automation Computer with 8 x LAN, 10 x COM and 2 x Expansion Slots

- Intel® Haswell Core i7 4650U 1.7GHz processor
- Supports 1 x 10/100/1000 Base T RJ-45 (Support AMT, Teaming Function, PXE, 1588)
- Supports 7 x 10/100/1000 Base T RJ-45 (Supports Teaming Function, PXE, 1588)
- iCDManager : intelligent Connectivity Diagnose Manager



UNO-4673A/4683

Intel® Atom™ D510/ Core™ i7 Substation Computers for Power Automation Applications

- Intel® Atom™ D510 1.66 GHz CPU (UNO-4673A)/Intel® Core™ i7 2.0 GHz CPU (UNO-4683)
- Supports fiber optic, IRI-G-B, 6 x LAN, and 2 x COM
- Supports PCI, Mini PCI, Mini PCIe, and PCI-104 expansions

Power & Energy Automation Controllers



ECU-1871

Intel® Atom™ D510 Modular Power & Energy Controller

- Intel® Atom™ D510 CPU
- 1 x RS-232 port/ 2 x RS-485 isolated ports
- 2 x 10/100Base-T RJ-45 connectors
- Windows® CE 6.0, WES 2009, and Linux ready solution
- Supports 2 x PCI-104 extension slots



ECU-1911

Xscale @ PXA-270 520MHz All-in-one Open RTU

- Xscale @ PXA-270 520 MHz CPU
- 1 x RS-232 port, 3 x RS-485 isolated ports, 1 x VGA
- 2 x 10/100Base-T RJ-45 connectors
- 8-ch 16-bit differential Analog Input
- 32-ch isolated Digital Input/Output



ECU-1710A

Intel® Atom™ D510 Automation Controller Combined with Embedded Computer and DAQ Cards

- Intel® Atom™ D510 CPU
- 2 x RS-232 ports
- 2 x 10/100Base-T RJ-45 ports
- 16-ch AI/4-ch AO/16-ch DIO/1-ch Counter
- Integrated PCI-1710UL & PCI-1720U DAQ cards

Power & Energy Automation Extension Cards



ECU-P1706/ P1300

Simultaneous AI Card Combined with Vibration Signal Modulate Card for ECU-1871

- Simultaneous 8-ch AI with PCI-104
- 250KS/S, 16-bit, 8K Samples On-board FIFO
- 2-ch, 32-bit Timer/Counter
- 0.1Hz-25Hz adjustable low pass filter (ECU-P1300)



UNOP-1618D/ 1628D

8-port Isolated RS-232/422/485 with/ without Port-to-port Isolation for UNO-4673A/4683

- 8 x COM ports
- Selectable RS-232/422/485 port
- Isolation 2500V_{DC} (UNOP-1628D)
- Automation RS-485 data flow control



UNOP-1514C/ RE/ PE

4-port Fiber Optic LAN Card for UNO-4673A/ 4683

- LAN 100 Base-FX
- Distance: Up to 2 km
- IEEE 802.3, 802.3u, 802.3x
- Wavelength : 1310nm
- 4 x SC type Multi-mode fiber ports

Machine Automation

Integrated Soft Computing to Enable Intelligent Machines

Supporting Advantech's PCI-1245/1265/1285/1245E/1285E/1245L series, SoftMotion is an important core technology in the machine automation field. Advantech independently developed its own SoftMotion control technology and uses the FPGA (Field Programmable Gate Array) and DSP (Digital Signal Processing) as the core-computing hardware platform. Meanwhile, based on the three motion control architectures - centralized, distributed, embedded. Advantech's comprehensive product offering helps our customers to continuously progress their technologies and optimize customer's devices control to minimize their programming needs.



Motion Control PCI Cards ▶



PCI-1245E/ 1285E

Economic SoftMotion 4/ 8-axis Stepping and Servo Motor Control PCI Card

- Softmotion on DSP
- T&S-curve speed profile, Prog. Acc and Dec
- Jog Move, P to P move, Home Move
- 2-axis Linear interpolation, E-Gear
- Single axis Position/ Speed override



PCI-1245/ 1265/ 1285

Standard SoftMotion 4/6/8-axis Stepping and Servo Motor Control PCI Card

- Functions supported by Economic version
- 2 axis circular move, Helical Move
- Path table, Tangential move, Look Ahead
- Superimposed Move, E-CAM, Tigger/ Latch
- Group position/ Speed override
- 8DI/ 8DO/ 2AI (PCI-1265)



PCI-1245L

Basic SoftMotion 4-axis Stepping and Servo Motor Control PCI Card

- SoftMotion on FPGA
- Single end pulse output for stepping motor
- T&S-curve speed profile, Prog. Acc and Dec
- Jog Move, P to P move, Home Move
- 2-axis Linear interpolation
- Single axis position/ Speed override

AMONet Master Cards & Slave Modules ▶



PCI-1202U

2-port AMONet RS-485 PCI Master Card

- Up to 64 slave AMAX modules per ring
- Transmission (baud rate) can be up to 20Mbps
- Communication distance is up to 100 M @ 10Mbps
- Programmable digital input to notify events
- Easy installation with RJ45 phone jack and LED diagnostic



AMAX-1220/ 1240

High-performanced 2/4-axis AMONet Motion Slave Module

- Maximum transmission (baud rate) can be up to 20Mbps with master card
- Maximum pulse train output up to 6.5 MHz & equipped with encoder input
- 2-axis point-to-point, linear & circular interpolation
- Position compare and triggering function (AMAX-1240 only)



AMAX-1752/ 1754/ 1756

Compact 32-ch Isolated Digital Input/ Output Slave Module

- Maximum transmission (baud rate) can be up to 20 Mbps with master card
- On-board terminal for direct wiring & LED indicators
- 2,500 V_{RMS} isolation voltage
- Compact design for horizontal placement

EtherCAT Solutions ▶



NEW

PCI-1203

EtherCAT Master PCI Card

- EtherCAT master card for Advantech and other EtherCAT IO / motion slave device connection
- Windows utility for slave device information display and parameter setting
- Integrate Advantech Common Motion SDK for user programming
- Support multi-axes and group motion function
- Support high density DI/O and AI/O application



NEW

ADAM-5000/ECAT

4-slot Distributed High Speed I/O System for EtherCAT

- 4 slots with various digital and analog I/O modules is just a single EtherCAT node on the network.
- Supports EtherCAT Distributed Clock (DC) mode and SyncManager mode
- Supports the Modular Device Profile (MDP) when all modules are a pure I/O function
- Compatible with Advantech Common Motion SDK or other EtherCAT master through ENI file generation



PEC-3240

Intel® Celeron® M 1.0 GHz 4-axis Embedded Motion Controller with 32-ch Digital I/O

- Onboard Intel® Celeron® M 1.0 GHz CPU
- 16-ch isolated DI and 16-ch isolated DO
- Independent 4-axis motion control

Embedded Motion Controller

Data Acquisition and Control

A Broad Selection of Form Factors to Satisfy All Your DAQ Needs

Advantech offers a wide range of industrial data acquisition and control devices with various interfaces and functions. Based on PC technology, from ISA to PCI Express, and signal conditioning to graphical software tools, Advantech's industrial I/O products are reliable, accurate, affordable, and suitable for many industrial automation applications, such as testing & measurement, laboratory applications, machine automation, and production testing. Moreover, its brand new I/O driver, DAQNav, supports Windows 7 and 8, helping customers seamlessly integrate Advantech's data acquisition cards to the latest platforms, improve performance, and reduce development time.



PCI Express DAQ Cards



PCI EXPRESS

PCIE-1730

32-ch TTL and 32-ch Isolated DI/O PCI Express Card

- 16-ch TTL DI and 16-ch TTL DO with 5 V compatibility
- 16-ch isolated DI and 16-ch isolated DO with 24 V compatibility
- High-voltage isolation on all isolated DI/ O channels (2,500 V_{DC})



PCI EXPRESS

PCIE-1752/ 1754/ 1756

64-ch Isolated Digital I/O PCI Express Card

- PCIE-1752: 64-ch DO
- PCIE-1754: 64-ch DI
- PCIE-1756: 32-ch DI, 32-ch DO
- High-voltage isolation on all channels (2,500 V_{DC})
- Keep the output setting and value after system hot reset
- Interrupt handling capacity



PCI EXPRESS

PCIE-1760

8-ch Relay and 8-ch Isolated DI PCI Express Card

- 8-ch isolated DI with programmable digital filter
- High-voltage isolation on input channels (2,500 V_{DC})
- 2-ch Form C and 6-ch Form A relay output
- 2-ch counter input and PWM output available



NEW

PCIE-1810/1816/1816H

12-bit/ 16-bit 16-ch AI Multifunction PCI Express Card

- PCIE-1810 & PCIE-1816: 500 KS/s
- PCIE-1816H: 1 MS/s
- Analog Trigger and Digital Trigger
- Waveform Generator for AO
- 24 programmable digital I/O lines
- Two 32-bit programmable counter/ timers



NEW

TAIWAN EXCELLENCE 2015

PCIE-1802

8-ch, 24-Bit, 216 kS/s Dynamic Signal Acquisition PCI Express Card

- 8 simultaneously sampled analog inputs up to 216 KS/s
- 24-bit resolution ADCs with 115 dB dynamic range
- Wide input ranges from ± 0.2 V to ± 10 V
- Built-in anti-aliasing filter
- Software configurable 4 or 10 mA integrated electronic Piezoelectric (IEPE)



NEW

PCIE-1840

125MS/s, 16-bit, 4-ch Digitizer PCI Express Card

- 4 analog inputs, up to 125MHz, 16-bit resolution
- 500 MHz Time Interleaved Sampling
- Non-stop data streaming capable
- 2 GB on-board memory
- On-Board tunable anti-aliasing filter AC/ DC Coupling

PCI DAQ Cards



PCI-1714U/1714UL

Simultaneous Analog Input PCI Card

- Each channel has dedicated A/D converter
- PCI-1714U: 12-bit, 30 MS/s, 4-ch single-ended AI
- PCI-1714UL: 12-bit, 10 MS/s, 4-ch single-ended AI
- 30 V_{DC} over-voltage protection



PCI-1716/ L

250KS/s, 16-bit, 16-ch Multifunction PCI Card

- 16 single-ended or 8 differential or a combination of analog inputs
- 16-bit A/ D converter, with up to 250 kHz sampling rate
- Auto-calibration
- 16-ch digital input and 16-ch digital output
- 2 analog output channels (PCI-1716 only)



PCI-1730U/ 1756

32-ch/ 64-ch Isolated Digital I/O Universal PCI Card

- High-voltage isolation on output channels (2,500 V_{DC})
- Wide output range (5 ~ 40 V_{DC})
- High-sink current for isolated output channels (90 mA max./ Channel)
- Current protection for each port

USB DAQ Modules ▶



USB-4711/ 4716

150 kS/s, 12-bit / 200 kS/s, 16-bit
16-ch Multifunction USB Module

- 2 analog output channels
- 5V/TTL compatible DIO (8 inputs, 8 outputs)
- 1 counter for event counting, frequency measurement and PWM output
- Lockable USB cable for secure connection



USB-4750

32-ch Isolated Digital I/O USB Module

- 16 isolated DI and 16 isolated DO channels
- 2 isolated counters for event counting and frequency measurement
- Keeps the last output value after system hot reset
- 2,500 V_{DC} isolation protection



USB-4761

8-ch Relay and 8-ch Isolated Digital Input
USB Module

- 8 Form C (SPDT) relay channels
- Relay contact rating: 0.25 A @ 250 V_{AC}, 2 A @ 30 V_{DC}
- LED indicators to show activated relay
- 2,500 V_{DC} isolation protection

PCI/PCIE Communication Cards ▶



PCI-1620/ 1622

8-port PCI Express Serial Communication
Card with Surge Protection

- PCI-1610: RS-232
- PCI-1612: RS-232/ 422/ 485
- Optional surge protection
- DMA mastering to reduce CPU loading
- 128-byte FIFOs with advanced management



NEW

PCIE-1620/ 1622

8-port PCI Express Serial Communication
Card with Surge Protection

- PCIE-1620: RS-232
- PCIE-1622: RS-232/ 422/ 485
- Optional surge protection
- DMA mastering to reduce CPU loading
- 128-byte FIFOs with advanced management



PCIE-1672PC/ 1674PC

4/ 8-port PCI Express Power-over-Ethernet
Communication Card

- Onboard DSP to reduce CPU loading
- 2,250 V_{DC} isolation protection
- Supports Jumbo frames (9,500 byte) and link aggregation
- Supports IEEE-1588 and IEEE-802.1 AS timing and synchronization



NEW

PCIE-1602/ PCIE-1604

2-port RS-232/422/485 PCI-express PCI
Comm. Card w/Isolation

- PCIE-1602: 2x RS-232/422/485 ports
- PCIE-1604: 2x RS-232 ports
- Optional surge protection
- Optional isolation protection for RS-232/422/485
- DMA mastering to reduce CPU loading



NEW

PCIE-1610/ PCIE-1612

4-port RS-232/422/485 PCI-express PCI
Comm. Card w/Isolation

- PCIE-1610: 4x RS-232 ports
- PCIE-1612: 4x RS-232/422/485 ports
- Optional surge protection
- Optional isolation protection for RS-232/422/485
- DMA mastering to reduce CPU loading



NEW

PCIE-1680

2-port CAN-bus Universal PCI
Communication Card with
CANopen Support

- Operates two separate CAN networks at the same time
- High speed transmission up to 1 Mbps
- 16 MHz CAN controller frequency
- Isolation protection of 2,500 V_{DC}
- I/O address automatically assigned by PCI PnP

CompactPCI Systems ▶

MIC-3106/ 3111/ 3121

4U CompactPCI With 2/7
Peripheral Slots

- 2G operational anti-vibration protection.
- 2G shipping anti-vibration protection
- Air-tight seal connector design for corrosive environments
- Modular design and front hot-swap enabled
- Easily exchange peripheral cards to reduce maintenance costs



NEW



MIC-3106

NEW



MIC-3111

NEW



MIC-3121

IoT Wireless I/O Modules

Providing IoT Wireless Smart Devices from I/O to Sensor

As wireless applications became a more common and preferred solution, Advantech introduced a variety of wireless remote I/O devices to the market as an important enabler of the IoT. With the Wi-Fi based WISE-4000 series and popular Zigbee protocol ADAM-2000 series, our clients are free from worrying about a wired layout and extra associated costs, for a more flexible deployment. Furthermore, the WISE-4000 series brings an authentic IoT experience to the market. By realizing an "anytime and anywhere" solution, not only can users retrieve data via mobile devices, the modules can now be configured and troubleshot from mobile devices to save time.



Wireless IoT Ethernet I/O Modules

WISE-4050

4-ch Digital Input and 4-ch Digital Output
IoT Wireless I/O Module

- 2.4 GHz IEEE 802.11b/g/n WLAN
- Protocols: Modbus/TCP, TCP/IP, UDP, DHCP, HTTP
- Supports RESTful web API in JSON format for IoT integration
- Supports both wireless client and server modes that can be accessed directly without AP or router
- Supports file-based cloud storage and local logging
- Supports mobile device web configuration with HTML5
- Supports 10~30V_{DC} power with reverse protection



WISE-4060

4-ch Digital Input and 4-ch Relay Output
IoT Wireless I/O Module

- 2.4 GHz IEEE 802.11b/g/n WLAN
- Protocols: Modbus/TCP, TCP/IP, UDP, DHCP, HTTP
- Supports RESTful web API in JSON format for IoT integration
- Supports both wireless client and server modes that can be accessed directly without AP or router
- Supports file-based cloud storage and local logging
- Supports mobile device web configuration with HTML5
- Supports 10~30V_{DC} power with reverse protection



WISE-4012

4-ch Universal Input and 2-ch Relay Output
IoT Wireless I/O Module

- 2.4 GHz IEEE 802.11b/g/n WLAN
- 4-ch UI: 0~10V, 0~20mA, 4~20mA, digital input
- Supports RESTful web API in JSON format for IoT integration
- Web Services: REST, HTML5, JavaScript, JSON
- Supports both wireless client and server modes that can be accessed directly without AP or router
- Supports file-based cloud storage and local logging
- Supports mobile device web configuration with HTML5



WISE-4012E - IoT Developer Kit

6-ch Universal Input/Output IoT Wireless
I/O Module for IoT Developer

- 2.4 GHz IEEE 802.11b/g/n WLAN
- 2-ch 0~10V Input, 2-ch DI, and 2-ch Relay Output
- Includes WebAccess with demo project for developer
- Includes extension board for simulating sensor status
- Includes micro USB cable for power input
- Supports both wireless client and server modes that can be accessed directly without AP or router
- Supports mobile device web configuration



WebAccess/SCADA

M2M (Machine to Machine) I/O Modules

ADAM-2520Z/ 2510Z

Wireless Modbus RTU Gateway

- 2.4 GHz IEEE 802.15.4 compliant RF
- Outdoor range up to 1,000 m
- Supports battery input with 2 x AA alkaline batteries
- Supports Modbus RTU protocol
- Network capacity with 32 nodes (routers & end devices)
- Supports Star/ Tree/ Mesh Network Topologies



ADAM-2031Z

Wireless Temperature & Humidity
Sensor Node

- 2.4 GHz IEEE 802.15.4 compliant RF
- Low duty cycle and low power consumption
- Outdoor range up to 110 m
- Supports battery input with 2 x AA alkaline batteries
- Built-in temperature/ humidity sensor input



ADAM-2051Z/ 2051PZ

Wireless 8-ch Digital Input Node with
Power Amplifier

- 2.4 GHz IEEE 802.15.4 compliant RF
- Outdoor range up to 1,000 m
- Supports battery input with 2 x AA alkaline batteries
- 10K Ω input resistance



ADAM-2107PZ

Wireless 6-ch Analog Input Node with
Power Amplifier

- 2.4 GHz IEEE 802.15.4 compliant RF
- 6-ch differential input: $\pm 150\text{mV}$, $\pm 500\text{mV}$, $\pm 1\text{V}$, $\pm 5\text{V}$, $\pm 10\text{V}$, $\pm 20\text{mA}$, 0~20mA, 4~20 mA



Remote I/O Modules

Providing Remote I/O Connectivity with RS-485 and Ethernet, with More Options

When "Internet of things" is no longer just a slogan, Advantech's versatile products boost clients' production performance by meeting different application needs. With a typical automation network using RS-485 to transmit serial signals the ADAM-4000 & robust ADAM-4100 series, and the designed for harsh environment Robust RS-485 based ADAM-4100 series, Ethernet based ADAM-6000 series and Daisy-chain Ethernet based ADAM-6200 series, managing field devices becomes easier and the field site status can be identified, tracked and altered remotely. There are over 1 million ADAMs in the world, in various industries such as industrial automation, environmental and facility management, intelligent transportation system, and so on and their record of being highly efficient devices is well proven.



Daisy-chain Ethernet I/O Modules



ADAM-6217/ 6224

Isolated Analog I/O Modbus TCP Module

- ADAM-6217: 8-ch AI; ADAM-6224: 8-ch AO & 4-ch DI
- Daisy chain connection with auto-bypass protection
- Auto-calibration without providing any input
- Web language support: HTML 5, Java Script, XML
- Supports GCL and Peer-to-Peer
- Group configuration capability for setting up multiple modules



ADAM-6250/ 6251/ 6256

Isolated Digital I/O Modbus TCP Module

- ADAM-6250: 8-ch DI & 7-ch DO
- ADAM-6251: 16-ch DI; ADAM-6256: 16-ch DO
- Daisy chain connection with auto-bypass protection
- DI/O LED Indication; DO fail safe value
- Web language support: HTML 5, Java Script, XML
- Supports GCL and Peer-to-Peer
- Group configuration capability for setting up multiple modules



ADAM-6260/ 6266

Relay Output Modbus TCP Module (with DI)

- ADAM-6260: 6-ch RL; ADAM-6266: 4-ch RL & 4-ch DI
- Daisy chain connection with auto-bypass protection
- DI/O LED Indication; Relay fail safe value
- Web language support: HTML 5, Java Script, XML
- Supports GCL and Peer-to-Peer
- Group configuration capability for setting up multiple modules

Smart Ethernet I/O Modules



ADAM-6017

8-ch Isolated Analog Input Real-time Ethernet Module

- 2-ch DO for AI trigger applications
- Modbus RTU, TCP/ IP, UDP and HTTP protocol
- Embedded web server
- Supports data stream and event trigger
- Supports GCL and Peer-to-Peer



ADAM-6050

18-ch Isolated Digital I/O Modbus TCP Module

- Modbus RTU, TCP/ IP, UDP DHCP and HTTP protocol
- 12-ch digital input and 6-ch digital output
- Embedded web server
- Supports data stream and event trigger
- Supports GCL and Peer-to-Peer



ADAM-6060/ 6066

6-ch Digital Input and 6-ch Relay Modbus TCP Module/ 6-ch Digital Input and 6-ch Power Relay Modbus TCP Module

- Modbus RTU, TCP/ IP, UDP DHCP and HTTP protocol
- Embedded web server
- Supports data stream and event trigger
- Supports GCL and Peer-to-Peer

Robust RS-485 I/O Modules



ADAM-4117/ 4118

Robust 8-ch Analog Input Module

Robust 8-ch Thermocouple Input Module

- Modbus RTU protocol
- Wide operating temperature -40 ~ 85°C (-40 ~ 185°F)
- 8 differential and independent configuration channels
- High common mode voltage 200 V_{DC}
- 1 kV surge, 3 kV EFT and 8 kV ESD protection



ADAM-4017+/ 4018+

8-ch Analog Input Module

8-ch Thermocouple Input Module

- Modbus RTU protocol
- 8-ch AI/ 8-ch Thermocouple Input
- Over Voltage Protection: ±35 V_{DC}
- Built-in TVS/ESD protection
- Isolation Voltage: 3,000 V_{DC}



ADAM-4051/ 4055/ 4056

16-ch Isolated Digital Input Module

16-ch Isolated Digital I/O Module

12-ch Isolated Digital Output Module

- Modbus RTU protocol
- ADAM-4055: 8-ch DI & 8-ch DO
- Dry/ wet contact digital input level
- Isolation Voltage: 2,500 V_{DC}
- Over Voltage Protection: 70 V_{DC}

Advantech WebAccess

The IoT Software Framework

Advantech WebAccess is a 100% web-based HMI/SCADA software. With more and more investment and development on integrating IoT applications and cloud architecture, it has become not only a HMI/SCADA software but also an IoT software framework in the IoT era. Advantech WebAccess supports powerful remote monitoring and control functions through standard web browsers, so that users can easily monitor and control automation equipment with full featured SCADA functions by their Client or Thin Client device. Starting from Version 8, Advantech WebAccess provides a HTML5 based Dashboard as the next generation WebAccess HMI. It helps system integrators to create their own dashboard and view their dashboard remotely via any device. Advantech WebAccess also provides open interfaces for system integrators to develop their IoT applications and widgets which can meet the needs of various applications.



Advantech WebAccess HMI/SCADA Software



Advantech WebAccess

100% Web-based HMI/SCADA Software

- Distributed SCADA architecture with central database server and multi-layer inter-operable SCADA nodes
- Supports ample drivers, including Advantech I/O, controllers and major PLCs
- Web-enabled video, audio and animation
- Excel self-defined reports
- Google Maps and GPS location tracking integration
- High availability redundant SCADA, ports and devices
- Supports open interfaces as an IoT platform

HTML5 Business Intelligence Dashboard

- Cross-browser, cross-platform WebAccess HMI based on HTML5
- Supports dynamic thin clients access for a seamless viewing experience across PC, Mac, tablet and smartphone
- Built-in widgets to customize information page by analysis charts and diagrams
- Create customized widget with graphic functionalities, like basic shape, animation, picture import, and macro command via cross-browser

WebAccess Bundled Products

WA-TPC1771

17" Touch Panel Computer with 600/5,000 Tags WebAccess

- Built-in Windows 7 Embedded with Advantech WebAccess 600/5,000 Tags
- Intel® Atom™ D525 1.8 GHz CPU
- 8 DI/O and backup SRAM support



WA-UNO2178A

Compact SCADA Server with 600/5,000 Tags WebAccess

- Built-in Windows 7 Embedded with Advantech WebAccess 600/ 5,000 Tags
- Intel® Atom™ D510 1.67 GHz CPU
- 2 x GbE, 8 x COM, 6 x USB 3.0 and 2 x MiniPCIe



Semiconductor Data Gateway

WA+SECS

WebAccess SECS Server with Intel® Core™ i7 Automation Computer

- SECS protocol embedded –SEMI standard compliant interface for data collection
- Provides SECS functions for polling, trace and event notification by configuration
- Bundled with Advantech WebAccess, browser based HMI/SCADA software



Energy Data Gateways

BEMG-4221/ 4222

Energy Data Concentrator with 6 x USB, 4x COM / 8x COM, 128 Devices

- Built-in Windows CE with Advantech WinCE WebAccess
- Web-server functions support customers with remote configuration, remote operation, remote maintenance
- Combines Advantech BEMS and power meter for energy saving solution



Rugged Tablets as Portable HMIs

Enabling Intelligent Real-Time Inspections and Onsite Management

Advantech's portable HMI products are designed to assist mobile workers with conducting and managing onsite inspections. Equipped with the latest Intel® chipset and RF technology (WLAN, WWAN, and GPS), Advantech's rugged tablets enable data to be transmitted and processed seamlessly, ensuring workers have constant access to relevant information. Integrated I/O (dual camera, RFID, NFC RFID, and RS-232) and extensive user-friendly accessories (including a vehicle docking station, desk docking station, universal cover, and customizable extension modules) support rapid data collection and mobile operation for substantially increased productivity. The rugged product designs (MIL-STD-810G and IP65 certification with a drop tolerance of up to 4 ft.), sunlight-readable displays, and long battery life are designed to facilitate the completion of complex tasks in harsh field environments.



Fully Rugged Tablet ▶



PWS-870

10" 16:9 Fully Rugged Tablet with Fourth Generation Intel® Core™ i Processor

- MIL-STD-810G and IP65 certified, and can withstand drops of up to 4 ft.
- 10.1" HD high-brightness, multi-touch, Gorilla Glass panel with digitizer
- Fourth generation Intel® Core™ i processor supports Windows 8
- Built-in 4G LTE, WLAN (802.11 a/b/g/n/ac), BT4.0, and GPS modules with Beidou/GLONASS support
- Hot-swappable battery offers up to 11 hours operation
- Built-in dual cameras, a 1D/2D barcode scanner, and NFC RFID
- Wide array of peripherals including a vehicle docking station, desk docking station, and customizable extension modules



Wall Docking Station

- Anti-theft locking mechanism
- Rapid device docking and removal (1 second)
- Equipped with 1 x DC-in, expansion I/O, 2 x USB 3.0, 1 x LAN, and 1 x GNSS port



Desk Docking Station

- Equipped with 1 x DC-in, 2 x USB 3.0, 1 x LAN, 1 x RS-232, and 1 x VGA port
- Secondary battery charger



Universal Cover

- Made from black plastic and PVC
- Measures Approx. 305 x 254.2 x 88.4 mm
- Designed for easy carrying



Extension Module

- MSR and smart card reader extension
- I/O extension
- UHF RFID extension

Rugged Tablet ▶



PWS-770

10" 4:3 Rugged Tablet with Intel® Atom™ N2600 Processor

- 10.4" XGA LED, high brightness (300 cd/m2), WAV transfective-LCD panel
- Hot swappable, high-capacity li-ion battery provides 8 hours of operation
- Wide variety of I/O ports support various applications
- IP54 certified with a drop tolerance of up to 4 ft.
- Equipped with Wi-Fi, Bluetooth, GPS, and WWAN (3.75G) technology
- Supports optional data capture modules (1D/2D barcode scanner, MSR, and RFID)
- Lightweight design (1.2 kg)



Wall Docking Station

- Anti-theft locking mechanism
- Rapid device docking and removal (1 second)
- Equipped with 1 x DC-in, expansion I/O, 2 x USB 2.0, 1 x LAN, and 1 x SMA (for GPS) port



Desk Docking Station

- Equipped with 1 x DC-in, 2 x USB 2.0, 1 x LAN, and 1 x RS-232 port
- Secondary battery charger



Carry Bag

- Made from black PVC



Hand Strap

- Made from black PVC

Regional Service & Customization Centers

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Worldwide Offices

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